KOAMTAC

KDC®280
BLE Scanning Bundle

Scanning Made Easy

Experience simplified scanner-to-computer connectivity with the KDC280 and KBLED50 USB Dongle. Enjoy seamless data collection via wireless BLE, without the complexities of traditional pairing. Our all-in-one package, featuring a 1-slot charging cradle, equips you with all the essentials to kickstart your data collection journey!

Easy to Use
Pairing the KDC280 is easier than ever. Just plug in the KBLED50 USB BLE 5.0 Dongle into your PC's USB port and you're ready to collect data!

Wireless
No wires to worry about. Both the KDC280 and the KBLED50 USB Dongle are entirely wireless and boast very slim profiles.

Powered
Advanced power management puts the scanner in "hibernation mode" when not actively in use, allowing the battery to outlast an average work shift. When power does run out, charging is easy with a Type-C USB connector or the included 1-slot charging cradle.

Rugged
The KDC280 is IP65-rated and has a 5' drop spec. This means the device is dust tight and water resistant; it's ideal for any environment.

Connected
The KDC280 features Bluetooth® Low Energy to enable faster and simpler connection methods. When connected via the BLE profile, you will experience lower power consumption than traditional Bluetooth while maintaining an uncompromised connection. The included KBLED50 USB Dongle utilizes Microsoft Windows USB HID driver (HID mode) and KDC Windows driver (Serial mode).

Secure
While many computers today come complete with Bluetooth capabilities, the KBLED50 USB Dongle allows for a one-to-one connection with only the KDC, reducing vulnerability and increasing connection strength.

Equipped
The included 2D Imager KDC280 can read all major symbologies. On-board memory stores over 250,000 UPC product barcodes and 60,000 product database records and allows basic applications to run right on the device.

KDC280

Hardware Specifications

Physical Characteristics
Size: 1.57" x 3.23" x 0.71" (40 mm x 82 mm x 18 mm)
Weight: 2.03 oz (57.5 g)

User Environment
Ingress Protection Rating: IP65
Drop Spec: 5' (1.5 m)
Operating: 14°F to 122°F (-10°C to 50°C)
Storage: -4°F to 140°F (-20°C to 60°C)
Humidity: 5% to 95% (non-condensing)

Electrical Characteristics
Battery: Lithium-Ion (3.7V DC, 650mAh)
Charging: Type-C USB connector, Charging Cradle

Interfaces
Bluetooth® Low Energy 5.0: HID (Android/iOS/Windows),
SPP (Optional Secure Mode)
USB: Flash Memory (Windows), USB HID, USB Serial (Android with OTG cable / Windows)

Performance

Functionality
Memory Flash: 8MB User Data
Can store more than 250,000 barcodes (EAN-13)

Wedging & Synchronization
Store to a file or transfer to an application
Keyboard wedge function
Add-on prefixes and suffixes
Barcode option selection

Application Generation
SDK for PC and smartphone application
Application generation tool
Database lookup and Inventory Management features

OS Support
Android, Mac OS X, Windows

Scan Range (10mil Code39)
Laser/CCD: 1.97" to 18.11" (50 mm to 460mm)
Imager: 2.36" to 18.35" (60 mm to 466 mm)

Regulatory Conformance
R&TTE, FCC, KC, J-MIC, VCCI, SRRC, RoHS Compliant
Laser Safety: IEC60825/CDRH Class II
LED Safety: IEC62471:2006

Symbologies
Laser/CCD (1D): EAN-13, EAN-8, UPC-A, UPC-E, Code 39, ITF14, Code 128, Interleaved 2 of 5, Codabar, GS1-128, Code 93, Code 35, Bookland EAN-13, EAN-13/8 incl. add on, UPC-A/E incl. add on, GS1 Omni, GS1 Limited, GS1 Expanded

Imager (1D): Codabar, Code 11, Code 39, Code 93, Code 128, EAN-8, EAN-13, GS1 Composite, Interleaved 2 of 5, Matrix 2 of 5, MSI, Plessey, GS1 Omni, GS1 Limited, GS1 Expanded, Straight 2 of 5 Industrial, Straight 2 of 5 IATA, Telepen, Tri-Optic, UPC-A, UPC-E0, UPC-E1
Imager (2D): Aztec Code, Aztec Runes, Codablock F, Data Matrix, MaxiCode, MicroPDF417, PDF417, QR Code
Postal Codes: POSTNET, Planet Code, British Post, Canadian Post, Netherlands (KIX) Post, Australian Post, Japanese Post, Chinese Post, Korean Post
MRZ: Supported

KBLED50 USB BLE Dongle

Specifications
Bluetooth Standard: Bluetooth Low Energy 5.0
Radio Frequency: 2.4 GHz
Physical Dimensions: 0.87" x 0.59" x 0.21" (22 mm x 15 mm x 5.35 mm)
Weight: 0.07 oz (2.0 g)
Antenna: Internal Chip Antenna
Transfer Rate: Up to 2.0 Mbps
Interface: USB 2.0 (HID/Serial)
Operating Temperature: -4°F to 122°F (-20°C to 50°C)
Storage Temperature: -4°F to 140°F (-20°C to 60°C)
Humidity: 5% to 95% (non-condensing)
Compliance: KC, FCC, R&TTE, TELEC, RoHS

System Requirements
Operating System: Microsoft Windows 7/8/10/11

Package Contents
1x KDC280 Barcode Scanner
1x KBLED50 USB BLE 5.0 Dongle
1x Retractable KOAMTAC Lanyard
1x Type-C USB Cable
1x 1-Slot Charging Cradle with
    L-Shaped DC Jack USB Cable and Power Supply

Optional Items
Protective Boot